



284894000.ST25.txt

SEQUENCE LISTING

<110> Chiu, Ing-Ming

<120> Transgenic animals for screening therapeutic agents for bra
in tumors

<130> 28489/04000

<140> 09/990249

<141> 2001-11-21

<150> US 60/252745

<151> 2000-11-22

<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 23

<212> DNA

<213> Homo sapiens

<400> 1

acctgctgtt tccctggcaa ctc
23

<210> 2

<211> 6087

<212> DNA

<213> Artificial Sequence

<220>

<223> Nucleotides 1-594, human FGF1B promoter; 595-3233, SV40; 32
34-608

7, PGL2-Basic plasmid vector (Promega)

<400> 2

cccgggaggt ccctttcatc cagcagcctt ctgactccag aggagagtct ccgagccacg
60

acctgctgtt tccctggcaa ctcaggcctc aaaataaaca ggattctgct cagacgggcc
120

agaagtccat tcggctcaca catttgcccc aagacaaacc acgttaaaat aacacccagg
180

gtagctgctg ccaccgtctt cgtctcttac ctccctcctg gctggccaat ggctctgtgt
240

tcctgggcct gctgctggct gtccagagta ggggttgctt agagctgtgt gcatccctgc
300

gggtggtgtg ggagtgggcg gttgtctaaa ggcaggctcc ctctactgat aaacaaggac
360

cggagataga cctagaggct gacattcttg gctccccag cctacacccc cccacctcg
420

atttcccaca gagccctagg gacgggtagc cagctctgtg gcatggatc tggaggcagg
480

ccagcaacct gatgtgcatg ccacggcccg tccctctccc cactcagagc tgcagtagcc
540

tggaggttca gagagccggg ctactctgag aagaagacac gatctaagta agctttgcaa
600

agatggataa agttttaaac agagaggaat ctttgcagct aatggacctt ctaggctctg
660

aaaggagtgc ctgggggaat attcctctga tgagaaaggc atatttaaaa aaatgcaagg
720

agtttcatcc tgataaagga ggagatgaag aaaaaatgaa gaaaatgaat actctgtaca
780

agaaaatgga agatggagta aaatatgctc atcaacctga ctttggaggc ttctgggatg
840

caactgaggt atttgcttct tccttaaate ctggtgttga tgcaatgtac tgcaaacaat
900

ggcctgagtg tgcaaagaaa atgtctgcta actgcatatg cttgctgtgc ttactgagga
960

tgaagcatga aaatagaaaa ttatacagga aagatccact tgttggtggtt gattgctact
1020

gcttcgattg ctttagaatg tggtttggac ttgatctttg tgaaggaacc ttacttctgt
1080

ggtgtgacat aattggacaa actacctaca gagatttaaa gctctaaggt aaatataaaa
1140

tttttaagtg tataatgtgt taaactactg attctaattg tttgtgtatt ttagattcca
1200

acctatggaa ctgatgaatg ggagcagtgg tggaatgcct ttaatgagga aaacctgttt
1260

tgctcagaag aaatgccatc tagtgatgat gaggctactg ctgactctca acattctact
1320

cctccaaaaa agaagagaaa ggtagaagac cccaaggact ttccttcaga attgctaagt
1380

tttttgagtc atgctgtgtt tagtaataga actcttgctt gctttgctat ttacaccaca
1440

aaggaaaaag ctgcactgct atacaagaaa attatggaaa aatattctgt aacctttata
1500

agtaggcata acagttataa tcataacata ctgttttttc ttactccaca caggcataga
1560

gtgtctgcta ttaataacta tgctcaaaaa ttgtgtacct ttagcttttt aatttgtaaa
1620

ggggttaata aggaatattt gatgtatagt gccttgacta gagatccatt ttctgttatt
1680

gaggaaagtt tgccagggtg gttaaaggag catgatttta atccagaaga agcagaggaa
1740

actaaacaag tgtcctggaa gcttgtaaca gagtatgcaa tggaacaaaa atgtgatgat
1800

gtgttgttat tgcttgggat gtacttggaa tttcagtaca gttttgaaat gtgtttaaaa
1860

tgtattaaaa aagaacagcc cagccactat aagtaccatg aaaagcatta tgcaaagtct
1920

gctatatttg ctgacagcaa aaaccaaaaa accatatgcc aacaggctgt tgatactgtt
1980

ttagctaaaa agcgggttga tagcctacaa ttaactagag aacaaatgtt aacaaacaga
2040

tttaatgac ttttggatag gatggatata atgtttgggt ctacaggctc tgctgacata
2100

gaagaatgga tggctggagt tgcttggcta cactgtttgt tgcccaaat ggattcagt
2160

gtgtatgact ttttaaatg catggtgtac aacattccta aaaaaagata ctggctgttt
2220

aaaggaccaa ttgatagtgg taaaactaca ttagcagctg ctttgcttga attatgtggg
2280

gggaaagctt taaatgttaa tttgcccttg gacaggctga actttgagct aggagtagct
2340

attgaccagt ttttagtagt ttttgagat gtaaaggga ctggagggga gtccagagat
2400

ttgccttcag gtcagggaat taataacctg gacaatttaa gggattattt ggatggcagt
2460

gttaaggtaa acttagaaaa gaaacaccta aataaaagaa ctcaaattt tccccctgga
2520

atagtcacca tgaatgagta cagtgtgcct aaacactgc aggccagatt tgtaaaacaa
2580

atagatttta ggcccaaaga ttatttaaag cattgcctgg aacgcagtga gtttttgta
2640

gaaaagagaa taattcaaag tggcattgct ttgcttctta tgtaatttg gtacagacct
2700

gtggctgagt ttgctcaaag tattcagagc agaattgtgg agtggaaaga gagattggac
2760

aaagagttta gtttgtcagt gtatcaaaaa atgaagttta atgtggctat ggggaattgga
2820

gttttagatt ggctaagaaa cagtgatgat gatgatgaag acagccagga aaatgctgat
2880

aaaaatgaag atggtgggga gaagaacatg gaagactcag ggcataaac aggcattgat
2940

tcacagtccc aaggctcatt tcaggcccct cagtcctcac agtctgttca tgatcataat
3000

cagccatacc acattttag aggttttact tgctttaaaa aacctccac acctccccct
3060

gaacctgaaa cataaaatga atgcaattgt tgttgtaac ttgtttattg cagcttataa
3120

tggttacaaa taaagcaata gcatcacaaa tttcacaaat aaagcatttt tttcactgca
3180

ttctagttgt ggtttgcca aactcatcaa tgtatcttat catgtctgga tccgtcgacc
3240

gatgcccttg agagccttca acccagtcag ctccctccgg tgggcgcggg gcatgactat
3300

cgtcgccgca cttatgactg tcttctttat catgcaactc gtaggacagg tgccggcagc
3360

gctcttcgc ttcctcgctc actgactcgc tgcgctcggg cggttcggctg cggcgagcgg
3420

tatcagctca ctcaaaggcg gtaatacggg tatccacaga atcaggggat aacgcaggaa
3480

agaacatgtg agcaaaaggc cagcaaaagg ccaggaaccg taaaaaggcc gcgttgctgg
3540

cgtttttcca taggctccgc cccctgacg agcatcacaa aaatcgacgc tcaagtcaga
3600

ggtggcgaaa cccgacagga ctataaagat accaggcggt tccccctgga agtccctcg
3660

tgcgctctcc tgttccgacc ctgccgctta ccggatacct gtccgccttt ctcccttcgg
3720

gaagcgtggc gctttctcaa tgctcacgct gtaggtatct cagttcgggtg taggtcgttc
3780

gctccaagct gggctgtgtg cacgaacccc ccgttcagcc cgaccgctgc gccttatccg
3840

gtaactatcg tcttgagtcc aaccggtaa gacacgactt atcgccactg gcagcagcca
3900

ctggtaacag gattagcaga gcgaggtatg taggcgggtgc tacagagttc ttgaagtggg
3960

ggcctaacta cggctacact agaaggacag tatttggtat ctgcgctctg ctgaagccag
4020

ttaccttcgg aaaaagagtt ggtagctctt gatccggcaa acaaaccacc gctggtagcg
4080

gtgggtttttt tgtttgcaag cagcagatta cgcgagaaaa aaaaggatct caagaagatc
4140

ctttgatctt ttctacgggg tctgacgctc agtggaacga aaactcacgt taagggattt
4200

tggtcatgag attatcaaaa aggatcttca cctagatcct tttaaattaa aaatgaagtt
4260

ttaaatcaat ctaaagtata tatgagtaaa cttgggtctga cagttaccaa tgcttaatca
4320

gtgaggcacc tatctcagcg atctgtctat ttcggttcac catagttgcc tgactccccg
4380

tcgtgtagat aactacgata cgggagggct taccatctgg cccagtgct gcaatgatac
4440

cgcgagaccc acgctcaccg gctccagatt tatcagcaat aaaccagcca gccggaaggg
4500

ccgagcgcag aagtggtcct gcaactttat ccgcctccat ccagtctatt aattgttgcc
4560

gggaagctag agtaagtagt tcgccagtta atagtttgcg caacgttggt gccattgcta
4620

caggcatcgt ggtgtcacgc tcgtcgtttg gtatggcttc attcagctcc ggttcccaac
4680

gatcaaggcg agttacatga tccccatgt tgtgcaaaaa agcggttagc tccttcggtc
4740

ctccgatcgt tgtcagaagt aagttggccg cagtgttacc actcatggtt atggcagcac
4800

tgcataattc tcttactgtc atgccatccg taagatgctt ttctgtgact ggtgagtact
4860

caaccaagtc attctgagaa tagtgtatgc ggcgaccgag ttgctcttgc ccggcgtcaa
4920

tacgggataa taccgcgcca catagcagaa ctttaaaagt gctcatcatt ggaaaacgtt
4980

cttcggggcg aaaactctca aggatcttac cgctgttgag atccagttcg atgtaaccca
5040

ctcgtgcacc caactgatct tcagcatctt ttactttcac cagcgtttct gggtgagcaa
5100

aaacaggaag gcaaaatgcc gcaaaaaagg gaataagggc gacacggaaa tgttgaatac
5160

tcatactctt cctttttcaa tattattgaa gcatttatca gggttattgt ctcatgagcg
5220

gatacatatt tgaatgtatt tagaaaaata aacaaatagg ggttccgcgc acatttcccc
5280

gaaaagtgcc acctgacgcg ccctgtagcg gcgcattaag cgcggcgggg gtgggtggta
5340

cgcgacgcgt gaccgctaca cttgccagcg ccctagcgcc cgctcctttc gctttcttcc
5400

cttcctttct cgccacgttc gccggctttc cccgtcaagc tctaaatcgg gggctccctt
5460

taggggtccg atttagtgct ttacggcacc tcgaccccaa aaaacttgat tagggtgatg
5520

gttcacgtag tggggccatcg ccctgataga cggtttttcg ccctttgacg ttggagtcca
5580

cgttctttta tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggctt
5640

attcttttga ttataaggg attttgccga tttcggccta ttggttaaaa aatgagctga
5700

tttaacaaaa atttaacgcg aattttaaca aaatattaac gtttacaatt tccattcgc
5760

cattcaggct gcgcaactgt tgggaagggc gatcggcgcg ggcctcttcg ctattacgcc
5820

agcccaagct accatgataa gtaagtaata ttaaggtacg tggaggtttt acttgcttta
5880

aaaaacctcc cacacctccc cctgaacctg aaacataaaa tgaatgcaat tgttggtgtt
5940

aacttgttta ttgcagctta taatggttac aaataaagca atagcatcac aaatttcaca
6000

aataaagcat ttttttcact gcattctagt tgtggtttgt ccaaactcat caatgtatct
6060

tatggtactg taactgagct aacataa
6087